

(X) 16b -(Y) -22a 16c -Arbiter Addr\_Q 26b -

FIG. 2-3

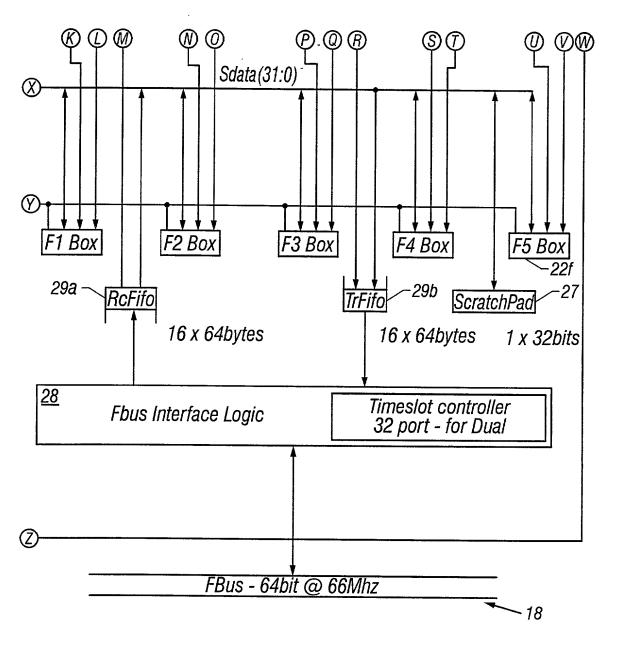
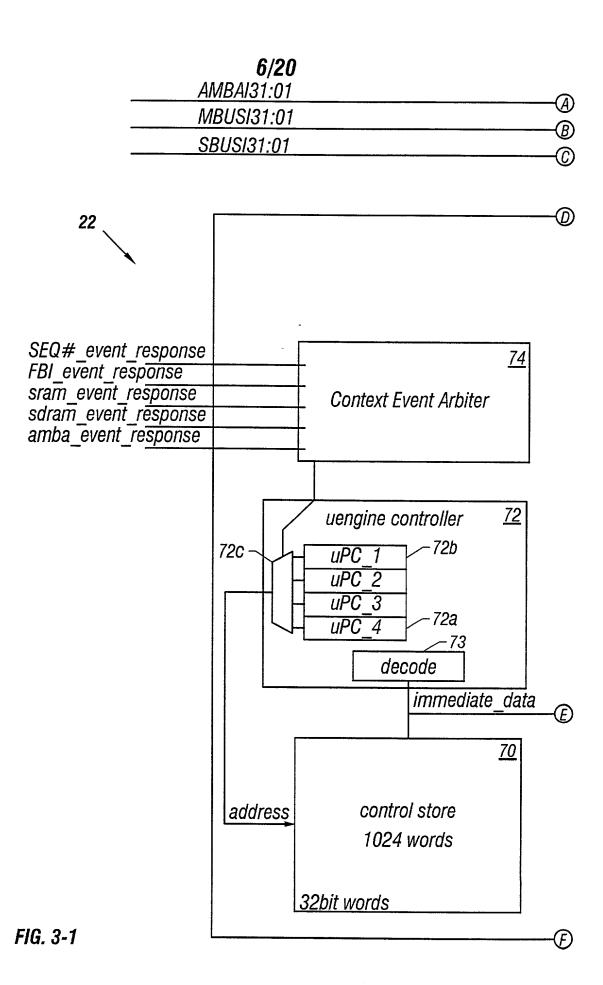


FIG. 2-4



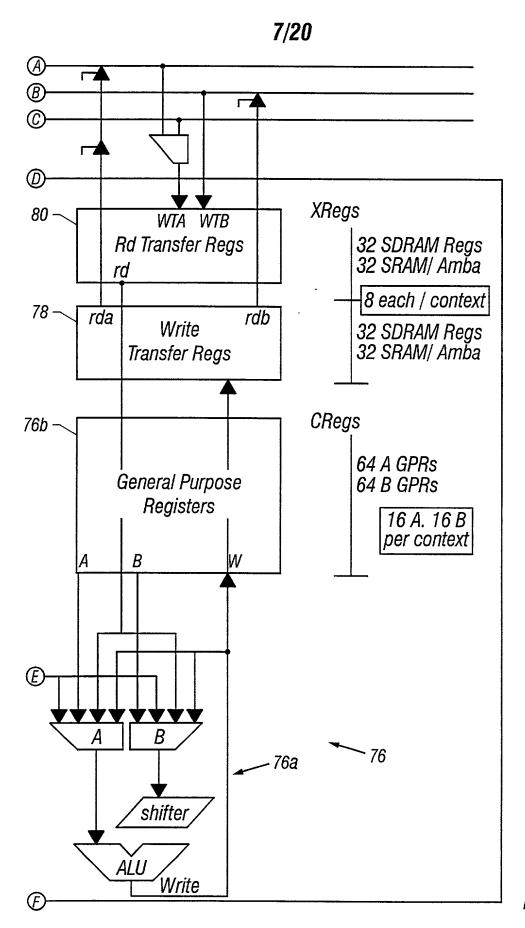
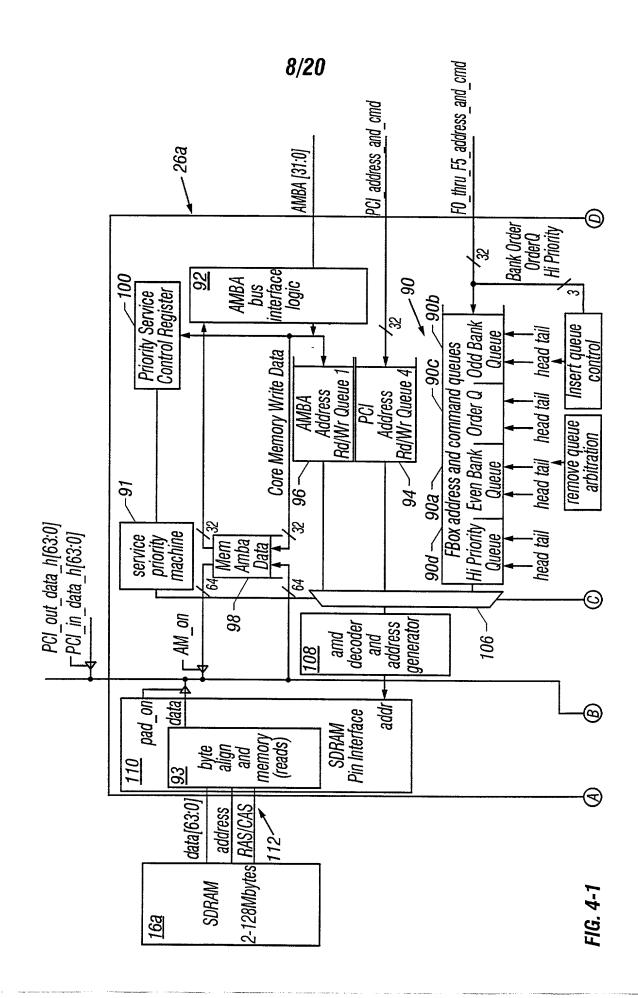
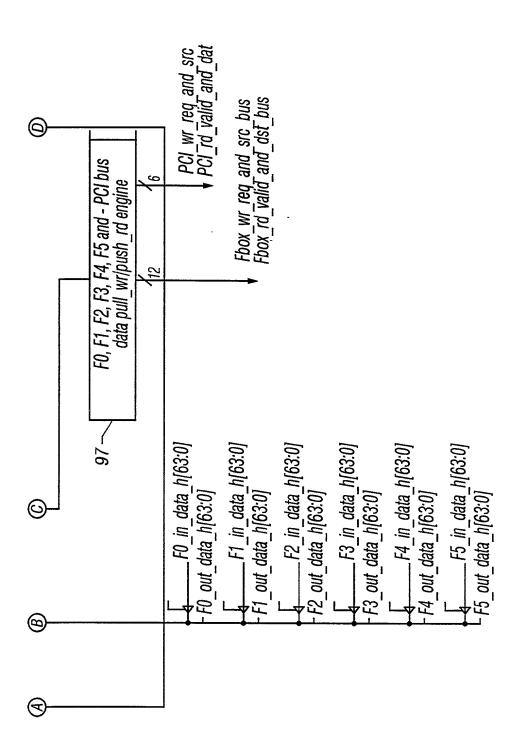


FIG. 3-2





IG. 4-2

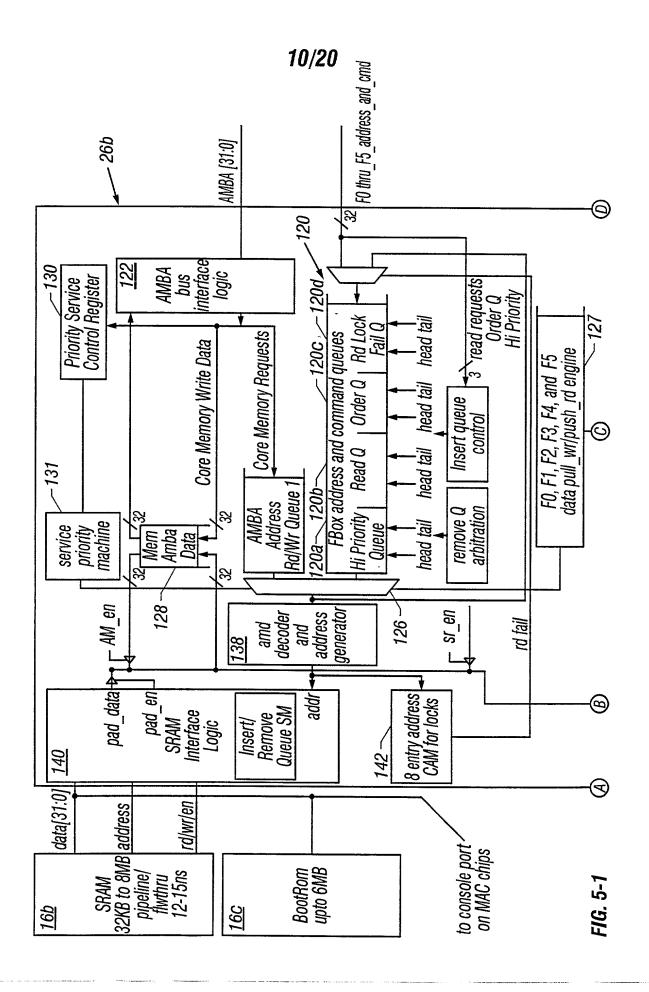
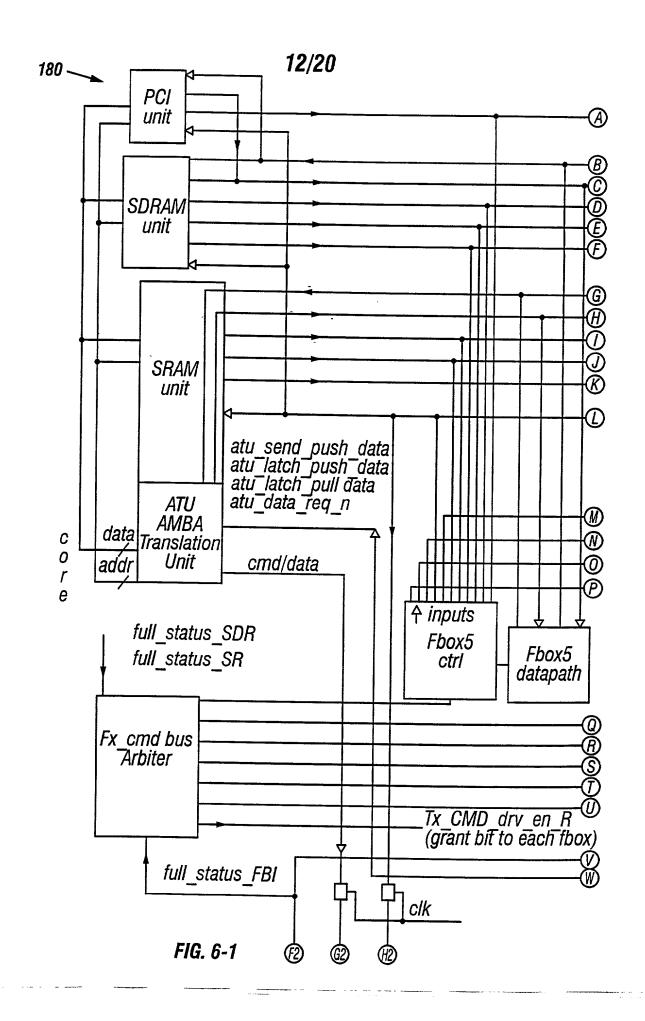
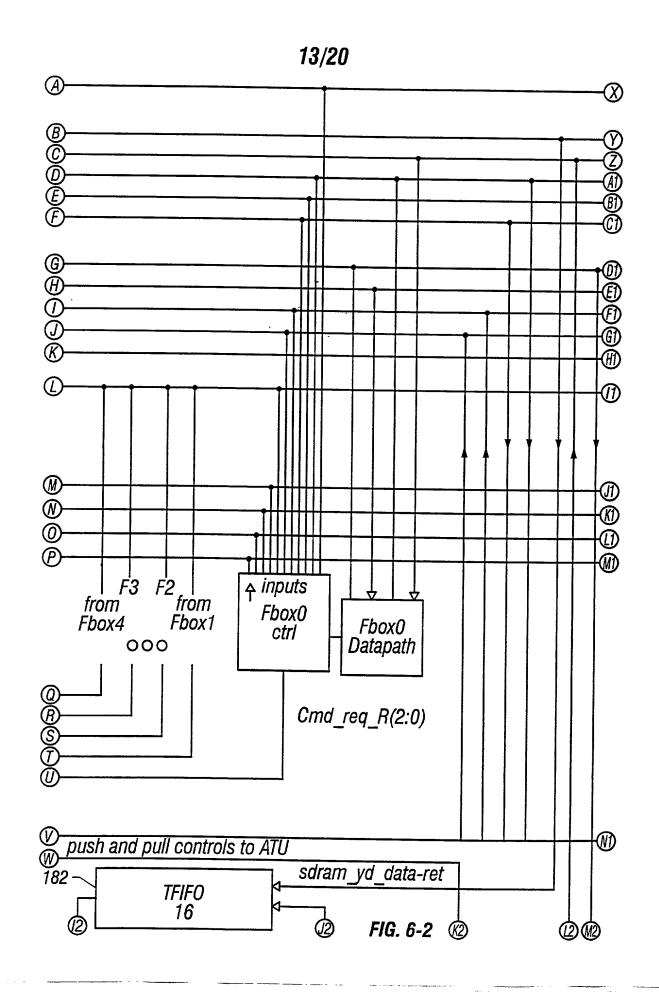
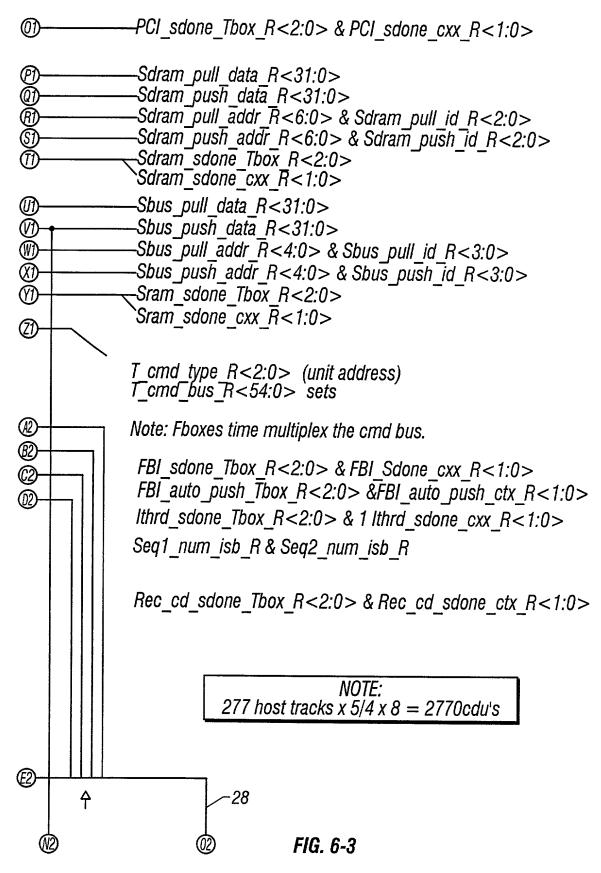


FIG. 5-2





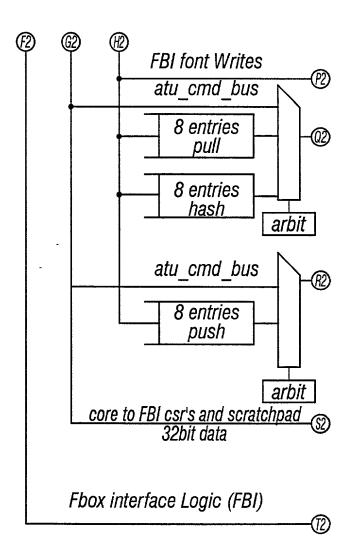


Pull Engine Cmd Arbitration

- 1) Amba
- 2) Hash 3) Pull Cmds

Pull Engine Cmd Arbitration

- 1) Amba
- 2)Hash Completion
- 3)Push Cmds

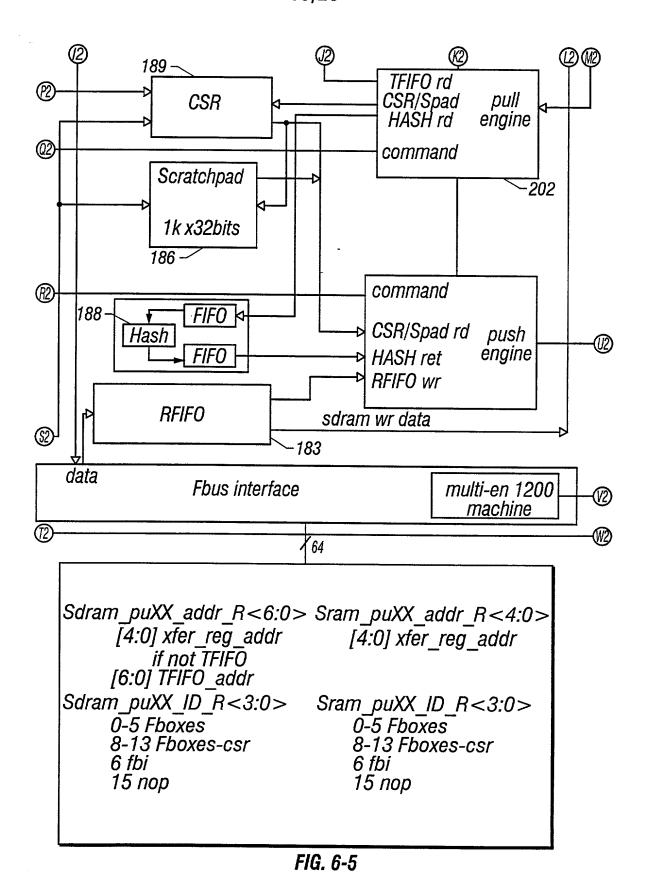


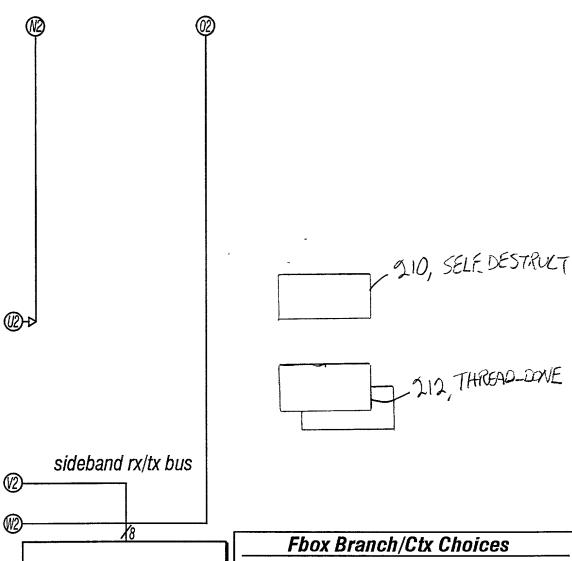
## ATU Notes:

- a) Core to FboxRegs: úse sram push data bus
- b) Core to FBI Regs: use private ATU/FBI cmd/data bus
- c) Core reads FboxRegs: use SRAM pull data bus
- d) Core reads FBIRegs: úse sram push data bus (makes sram appear like another Fbox to FBI on sram push bus)

Cmd\_Req\_R<2:0> 000 none 001 Sram Chain 010 SDR chain 011 Sram 100 SDR 101 FBI 110 PCI 111  $Tx\_CMD\_drv\_en\_R < 1:0 >$ 0 none 1 grant

FIG. 6-4





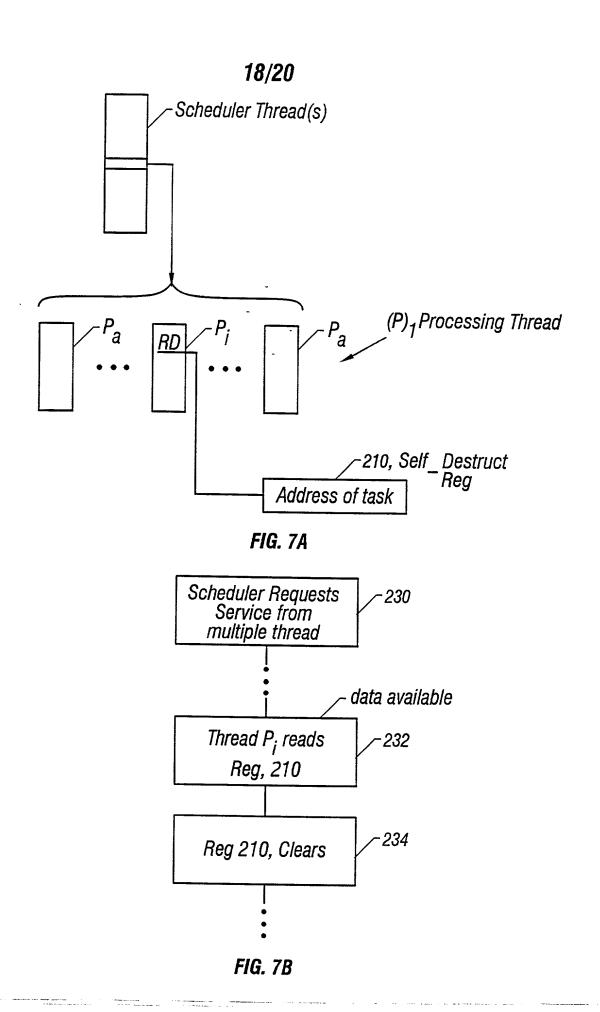
T	Cmd	tvpe	_R<2:0>
l ' _	_0///4_	_	_11 \0 >

000: bus idle 001: SDRAM 010: SRAM 011: SRAM-csr 100: PCI

101: reserved 110: FBI 111: Scratch

	<del></del>	
1) FBI_sdone 2) FBI_auto_push 3) Ithread_sdone 4) signal_rec_cxt 5) Seq#1_change 6) Seq#2 change 7)SRAM_sdone 8)SDRAM_sdone	(flag) (flag)	br / ctx
8)SDRAM_sdone 9) volunteer_cxx_swap 10) Rec_req_available 11)SDRAM rd parity en 12) Fbox_push_protect 13) ccodes, contexts a	e (flag) n (flag) ot	br / ctx ctx br br br

FIG. 6-6



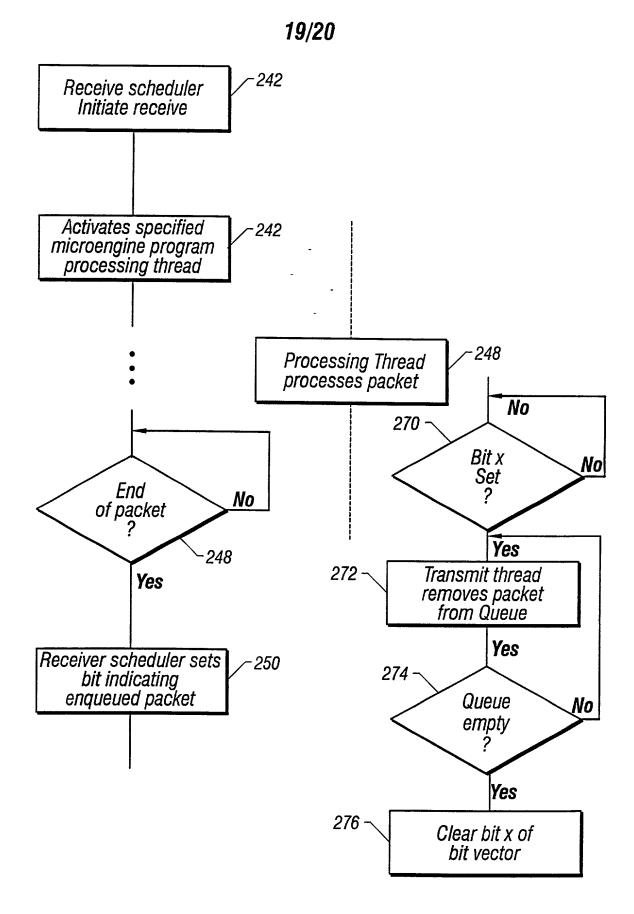


FIG. 8

